

## **PLUMBER**

PURPOSE: To perform skilled plumbing work on plumbing, heating, and irrigation systems.

### FUNCTIONAL AREAS:

1. Perform skilled plumbing work in the installation, maintenance, and repair of plumbing, heating, and irrigation systems.
  - \* A. Install, maintain, and make repairs to plumbing, heating, water, and sewer systems in City structures.
  - \* B. Install, maintain, and make repairs to all plumbing and related appurtenances.
  - \* C. Install wash basins, urinals, toilet bowls, and toilet tanks.
  - \* D. Perform all types of piping joints and hanger welding.
  - \* E. Review and interpret blueprints.
  - \* F. Install and make repairs to lawn sprinkler systems.
  - \* G. Determine modifications required when obstructions are met while installing plumbing/heating systems.
  - \* H. Maintain and make repairs to ventilation systems.
  - \* I. Ensure a safe work environment.
  - \* J. Prepare seasonal plumbing systems by winterizing as required.
  - \* K. Operate power hand tools and motorized equipment.
2. Perform related work.
  - \* A. Install, maintain, and make repairs to steel fence and guardrails.
  - \* B. Maintain and make repairs to equipment and tools.
  - \* C. Attend related training sessions.
  - \* D. Assist other journeypersons as necessary.

## **JOB REQUIREMENTS**

### 1. LICENSE:

- \* A. Possession of a State of Minnesota Journeyperson Plumber license.
- \* B. Ability to obtain a Minnesota 2nd Class Engineer license if required by the Employer.
- \* C. Possession of a Minnesota Class "D" driver's license or privilege by the date of appointment and thereafter.
- \* D. Ability to obtain a Minnesota Class "B" driver's license or privilege if required by the Employer.

### 2. EXPERIENCE:

- \* Two (2) years of verifiable experience as a licensed Journeyperson Plumber which includes experience in operation, maintenance, and repair of plumbing systems and fixtures, steam and hot water heating systems, and oil and gas warm air heating systems.

### 3. KNOWLEDGE:

- \* A. Knowledge of Minnesota plumbing codes.
- \* B. Knowledge of all other laws and rules regulating sanitary plumbing practices.

- \* C. Knowledge of the tools, equipment, and materials used in the plumbing trades.
- D. Knowledge of hydraulics as related to flow rates, pipe sizes, and water pressure.
- E. Knowledge of wiring involved with heating and cooling controls.
- F. Knowledge of pneumatic controls.
- \* G. Knowledge of various types of pumps involved in plumbing, heating, and cooling.
- H. Knowledge of the methods used in the installation, operation, and maintenance of irrigation systems.
- I. Knowledge of sheet metal and ducting.
- \* J. Knowledge of applicable safe work practices and procedures.

4. SKILLS:

- \* A. Skill in the operation and maintenance of plumbing systems and fixtures.
- \* B. Skill in the operation and maintenance of steam and hot water heating systems.
- \* C. Skill in the operation and repair of oil and gas warm air heating systems.
- D. Skill in the operation and maintenance of aquatic pools, including filtration systems, circulation pumps, injection pumps, and related equipment.
- E. Skill in the operation and maintenance of decorative fountains.
- F. Skill in the operation of large compressors (up to 1000 CFM), generators, and power threading equipment.

5. ABILITIES:

- \* A. Ability to read and interpret blueprints, diagrams, and manuals.
  - B. Ability to weld/braze.
  - \* C. Ability to perform mechanical work.
  - \* D. Ability to understand and follow oral and written instructions.
  - \* E. Ability to erect ladders and scaffolding in a safe manner.
  - \* F. Ability to use power hand tools.
  - \* G. Ability to recognize safety hazards and to take appropriate precautions.
  - \* H. Ability to establish and maintain effective working relationships with co-workers and the general public.
  - \* I. Ability to stand, walk, kneel, crouch, stoop, and crawl as needed to perform plumbing activities.
  - \* J. Ability to lift and transport (usually by carrying) supplies, tools, and equipment such as a power threader weighing 90 pounds.
- \* Essential functions, or job requirements necessary on the first day of employment.

Anlst:	Date:
Union: Basic	Pay: 29
CSB: 20020806	Class: 5204
CC: 20020909	Res: 02-0604R